| Index of Claims | Application/Control No. | Applicant(s)/Patent und<br>Reexamination |
|-----------------|-------------------------|------------------------------------------|
|                 | . 09/891,793            | ECKER ET AL.                             |
|                 | Examiner                | Art Unit                                 |
|                 | Marina Miller           | 1631                                     |
|                 |                         |                                          |

| ′ | Rejected | 1 | (Through numeral)<br>Cancelled |  | N | Non-Elected  | Α | Appeal   |
|---|----------|---|--------------------------------|--|---|--------------|---|----------|
| = | Allowed  | + | Restricted                     |  | ١ | Interference | 0 | Objected |

| Cla             | aim          | Date            |           |          |          |            |              |                 | Claim Date      |          |          |          |              |          |          |          |          | [                   | Cla      | aim      | Date     |          |      |          |            |          |          |          |          |          |          |          |                   |          |
|-----------------|--------------|-----------------|-----------|----------|----------|------------|--------------|-----------------|-----------------|----------|----------|----------|--------------|----------|----------|----------|----------|---------------------|----------|----------|----------|----------|------|----------|------------|----------|----------|----------|----------|----------|----------|----------|-------------------|----------|
| l _             | <del>-</del> |                 |           |          |          |            |              |                 |                 |          |          |          | <del>-</del> |          |          |          |          |                     |          |          | T        |          |      |          | ᆈ          |          |          |          |          |          |          |          |                   |          |
| Final           | Original     |                 |           |          |          |            |              |                 | 1 1             | - 1      | 3        | 1212     | Original     |          |          |          |          | Н                   |          |          |          |          |      | Final    | Original   | 1        |          | i        |          |          |          |          |                   |          |
| iE              | Š            |                 |           |          |          |            | l            |                 |                 |          | 1        | ī        | Ę            |          |          |          |          |                     |          |          |          | -        |      | ίΞ       | ř          |          |          |          |          |          |          |          |                   |          |
| L               |              |                 |           |          | _        | _          | <u>  </u>    |                 |                 | ╛        | L        |          |              | Ŀ        | _        | L        |          |                     | _ 1      |          |          |          | - [  |          |            |          |          |          |          | -        | ŀ        |          |                   |          |
| L               | 1            | L               | Ш         |          | L        | L          | _            | L               |                 | _        | L        | _        | 51           | 1        | <u> </u> | L        |          |                     |          |          |          |          |      |          | 101        |          |          |          |          |          |          |          |                   |          |
|                 | 2            | _               | Ш         |          | L        | _          | _            | _               |                 | _        | _        | _        | 52           | V        | L.       | L        |          | LJ                  |          |          |          |          |      |          | 102        |          |          |          |          |          |          |          |                   |          |
|                 | 3            |                 |           |          | _        |            | _            | <u> </u>        | Ш               | _        |          | _        | 53           | ٧        | _        |          |          | Ш                   |          |          |          |          |      |          | 103        |          |          |          |          |          |          |          | $\square$         |          |
|                 | 4            |                 | Щ         |          | <u> </u> | ┡          | ļ.           | _               | $\sqcup$        | 4        | <u> </u> | _        | 54           | 1        | L.       | _        |          | Ц                   | $\Box$   | _        | _        |          | L    |          | 104        |          |          |          |          |          |          |          |                   |          |
|                 | 5            |                 |           |          |          | ╙          | <u> </u>     | _               | $\sqcup$        | _        | $\perp$  | _        | 55           | 1        | L        |          |          | Ш                   |          | _        | _        |          | ļ    |          | 105        |          |          |          |          |          |          |          |                   |          |
|                 | 6            | Ш               |           |          | ļ        | <u> </u>   | <u> </u>     | ▙               | $\sqcup$        | 4        | $\vdash$ | _        | 56           | ٧        | <u> </u> | _        |          | Ш                   |          |          | _        | _        |      |          | 106        |          | _        |          |          |          |          |          |                   |          |
|                 | 7            |                 |           |          | _        | ļ.,        | <u> </u>     | ┡               |                 | 4        | $\vdash$ | _        | 57           | ٧        | <u> </u> | _        |          |                     |          | 4        | _        |          |      |          | 107        |          |          |          |          |          |          |          |                   |          |
|                 | 8            |                 | _         |          | ļ        | <u> </u>   | _            | <u> </u>        | $\sqcup$        | _        | $\vdash$ | _        | 58           | 1        | <u> </u> |          |          |                     |          |          | _        | _        | ļ    |          | 108        |          | _        |          |          |          |          |          | $oldsymbol{\bot}$ |          |
|                 | 9            |                 |           |          | _        | <u> </u>   | _            | _               | $\sqcup$        | _        |          |          | 59           | V        | L        | _        |          | Ш                   |          | _        | _        | 4        | Ļ    |          | 109        | _        |          |          |          |          |          |          |                   |          |
|                 | 10           | _               | -         |          |          | <u> </u>   | ┡            | _               | $\sqcup$        | _        | <u> </u> | _        | 60           | V        | _        | _        |          | Ш                   | _        | 4        | $\dashv$ | _        | L    |          | 110        |          | $\perp$  |          |          |          |          |          |                   |          |
| <b> </b>        | 11           | H               |           |          | <b> </b> | <u> </u>   | ┞            | 1               | $\sqcup$        | _        | $\perp$  | _        | 61           | 1        | _        | L_       | Ш        | $\sqcup \downarrow$ | _        | _        | _        |          | L    |          | 111        | $\perp$  | _        |          | Щ        |          |          | [        |                   |          |
| <b> </b>        | 12           | $\vdash \vdash$ | $\square$ |          | <u> </u> | Ь.         | ـــ          | ▙               | $\sqcup$        | _        | $\perp$  | _        | 62           | 1        | <u> </u> | L.       | Ш        | oxdot               | _        | _        | _        | $\Box$   |      |          | 112        | $\Box$   |          |          |          |          |          | [        |                   | ]        |
| <u> </u>        | 13           | Ш               | $\sqcup$  |          | $\vdash$ | <u> </u>   | -            | ⊢               | $\vdash$        | _        | $\vdash$ | _        | 63           | 1        | Щ.       | <u> </u> | Ш        | $\sqcup$            |          | 4        | _        | _        |      |          | 113        |          |          |          | Ш        |          | Ш        | $\perp$  | $\Box$            |          |
|                 | 14           | L.              |           |          | <u> </u> | _          | ├            | ⊢               | $\vdash$        | _        |          | _        | 64           | V        | _        | <u> </u> |          | _                   | _        | 4        | _        | _        | L    |          | 114        |          |          |          |          |          |          |          |                   |          |
| $\vdash \vdash$ | 15           | Н               |           |          | <u> </u> | <u> </u>   | <del> </del> | ⊢               |                 | _        | $\vdash$ | _        | 65           | 1        | <u> </u> | _        | Ш        | $\sqcup$            | _        | $\dashv$ | _        | _        | ļ    |          | 115        | ļ        |          |          | Ш        |          | Ш        |          |                   |          |
|                 | 16           | L               |           |          | _        | _          | ┡            | ┝               | $\vdash$        | _        | -        | _        | 66           | =        | <u> </u> |          | $\Box$   | $\sqcup$            | _        | 4        | 4        |          | ļ    |          | 116        |          |          |          |          |          |          |          |                   |          |
|                 | 17           |                 |           |          |          | <u> </u>   | ⊢            | -               | $\vdash$        |          |          | 4        | 67           | 1        |          |          |          | $\sqcup$            | $\dashv$ | $\dashv$ | 4        | _{       | Ļ    |          | 117        |          |          |          | Щ        |          |          |          | _                 |          |
|                 | 18           | _               |           |          |          | <b> </b> - | ├-           | -               | $\vdash$        | _        |          | $\dashv$ | 68           | 1        |          | _        | _        | _                   | _        | 4        | 4        | _        | Ļ    |          | 118        | _        |          | _        |          |          |          |          | _                 |          |
|                 | 19           | Н               |           |          | <u> </u> | <u> </u>   | ┞            | <u> </u>        | $\vdash$        | _        | $\perp$  | -        | 69           |          | _        | _        | _        |                     | _        | _        | _        | _        | L    |          | 119        | _        | _        |          |          |          |          |          | $\sqcup$          |          |
|                 | 20           | Ш               |           |          | <u> </u> | <u> </u>   | ╙            | <u> </u>        | $\vdash \vdash$ | _        | <u> </u> | _        | 70           |          |          | _        |          |                     | _        | _        | _        | _        | L    |          | 120        | _        | _        | _        |          |          |          |          | $\sqcup$          |          |
|                 | 21           |                 |           |          |          | _          | <u> </u>     | <u> </u>        | $\vdash$        | 4        | $\vdash$ | $\dashv$ | 71           | _        | _        | _        |          | _                   | 4        | _        | 4        | _        | L    |          | 121        | _        | _        | _        |          |          |          |          | _                 | _        |
|                 | 22           | -               | -         |          |          | <u> </u>   | <del> </del> | <u> </u>        | $\vdash$        | 4        | <u> </u> | -        | 72           |          | _        | _        | Ц        | _                   | _        |          | _        | _        | Ļ    |          | 122        |          |          | _        |          |          |          |          | _                 | _        |
| <u> </u>        | 23           |                 | $\dashv$  | _        |          | <u> </u>   | ļ            | <b></b>         | $\vdash$        | 4        |          | 4        | 73           | ļ        | _        |          |          | $\dashv$            | 4        | 4        | _        | _        | Ļ    |          | 123        | $\Box$   | _        | _        |          |          |          | _        | _                 |          |
| $\vdash$        | 24           |                 | -         |          |          |            | <u> </u>     | H               | -               | -        | -        | -        | 74           | <u> </u> | _        | L        |          | $\dashv$            | _        | _        | 4        | _        | -    |          | 124        | _        | _        | _        |          | _        |          | $\dashv$ | _                 | _        |
|                 | 25           | $\vdash$        |           |          |          | -          | ⊢            | <u> </u>        | $\vdash$        | $\dashv$ | -        | -        | 75           | _        | L        | <u> </u> |          | $\dashv$            |          |          | -        | _        | ļ    |          | 125        | _        | 4        | _        |          |          |          | _        | $\dashv$          | _        |
|                 | 26           | -4              |           |          |          | _          | -            | L               |                 | 4        | $\vdash$ |          | 76           | <u> </u> | <u> </u> | <u> </u> | _        | _                   | _        | _        | 4        | _        | L    |          | 126        | _        |          | _        |          |          |          | _        | _                 | _        |
|                 | 27           | $\dashv$        |           | _        |          | -          |              |                 | ⊢⊦              | 4        |          | -        | 77           |          | _        |          | _        | _                   | -        | -        | -        | 4        | -    |          | 127        | _        | _        | _        | L.,      |          |          | _        | 4                 |          |
|                 | 28<br>29     | $\dashv$        | -         | -        | -        |            | <b> </b>     | _               | $\vdash$        | -        | -        |          | 78           | ļ        |          | -        | _        |                     |          | _        | +        | 4        | -    |          | 128        | _        | _        | _        |          |          |          | 4        | _                 |          |
|                 | 30           | -               | $\dashv$  | _        |          |            | -            | H               | $\vdash$        | 4        | -        | -        | 79           |          |          | H        |          | $\dashv$            | 4        | _        | 4        | 4        | -    |          | 129        | -        |          | _        |          |          | _        | 4        | $\dashv$          | _        |
|                 | 31           |                 |           |          |          | ┝          | -            | H               | ⊢⊹              | -        | -        | +        | 80           |          |          | _        |          |                     | -        | -        | 4        | 4        | -    | _        | 130        | 4        | 4        | _        | _        | _        | _        | 4        | _                 |          |
|                 | 32           | -               | -         | _        |          | -          | -            | $\vdash$        | $\vdash$        | -        | <u> </u> | 4        | 81           | -        |          |          | -        | -                   | -        | -        | 4        | 4        | -    |          | 131        | 4        | _        | _        |          | _        |          | _        | $\dashv$          |          |
|                 | 33           | $\dashv$        | $\dashv$  | _        | _        | $\vdash$   | -            | $\vdash$        | $\vdash$        | 4        | -        | $\dashv$ | 82           | _        |          |          |          |                     | 4        | +        | +        |          | - }- |          | 132        | -        | ᆣ        |          | _        | _        | _        | _        | $\dashv$          |          |
|                 | 34           |                 |           | -        |          | -          | $\vdash$     | -               | $\vdash$        | $\dashv$ | $\vdash$ | +        | 83           | <u> </u> | -        |          |          |                     | $\dashv$ | $\dashv$ | -        |          | ┝    |          | 133        | -        |          | _        | _        | _        | $\dashv$ |          |                   |          |
|                 | 35           | $\dashv$        | $\dashv$  | -        | -        | $\vdash$   | ├            | $\vdash$        | ┝╼┼             | $\dashv$ | -        | +        | 84<br>85     | _        | $\vdash$ | Н        |          |                     | $\dashv$ | $\dashv$ | -        | $\dashv$ | H    |          | 134        | -        |          | 4        |          | _        |          | 4        | 4                 | _        |
| <del>   </del>  | 36           | -               | $\dashv$  |          |          | $\vdash$   | ├一           | Н               | $\dashv$        | $\dashv$ | $\vdash$ | $\dashv$ | 86           |          | $\vdash$ | $\vdash$ |          | -                   | $\dashv$ | -        | +        | $\dashv$ | ŀ    |          | 135        | -        |          | -        |          | _        |          | 4        | 4                 | _        |
|                 | 37           |                 | $\dashv$  | $\dashv$ |          | $\vdash$   | ├            | Н               |                 | -        | -        | +        | 87           |          |          | Н        |          | -                   | 4        | +        |          | 4        | ŀ    |          | 136        | -        |          | -        |          | _        | _        | _        | 4                 | $\dashv$ |
|                 | 38           | $\vdash$        | $\dashv$  |          |          | $\vdash$   | -            | Н               | -+              | $\dashv$ | -        | $\dashv$ | 88           | <u> </u> | Н        | Н        | $\dashv$ |                     | $\dashv$ | +        | +        | $\dashv$ | H    |          | 137        | -        |          | _        |          |          |          |          | -+                | $\dashv$ |
|                 | 39           | -               | -         | -        | _        | $\vdash$   | ⊢            | Н               | $\vdash \vdash$ | $\dashv$ | -        | $\dashv$ | 89           |          | $\vdash$ | Н        | $\dashv$ |                     | $\dashv$ | +        | +        | $\dashv$ | H    |          | 138        |          |          | _        |          |          | 4        |          | -+                | _        |
|                 | 40           | -               | ╛         |          | _        | _          |              | Н               |                 | -        | -        | $\dashv$ | 90           | _        |          | $\dashv$ | $\dashv$ | -                   | $\dashv$ | $\dashv$ | +        | 4        | ŀ    |          | 139        |          | $\dashv$ | -        |          |          | _        | -+       | $\dashv$          |          |
|                 | 41           | $\dashv$        | $\dashv$  | -        |          | $\vdash$   | -            | $\vdash\vdash$  | $\vdash$        | $\dashv$ | <u> </u> | +        | 91           | -        |          | $\vdash$ |          | $\dashv$            | +        | +        | +        | $\dashv$ | -    |          | 140        | 4        | -        |          |          | $\dashv$ | $\dashv$ |          | $\dashv$          | _        |
|                 | 42           |                 | -         | $\dashv$ |          | $\vdash$   | $\vdash$     | $\vdash$        | $\vdash$        | $\dashv$ | -        | +        | 92           | -        | $\vdash$ | $\vdash$ | $\dashv$ | -                   | $\dashv$ | +        |          | $\dashv$ | H    |          | 141        | $\dashv$ | $\dashv$ | -        | _        |          | 4        |          | $\dashv$          | $\dashv$ |
| -+              | 43           |                 | $\dashv$  | $\dashv$ |          | Н          | -            | $\vdash$        | -+              | $\dashv$ | -        | $\dashv$ | 93           |          | Н        | $\vdash$ | -        | -+                  | -+       | +        | +        | $\dashv$ | ŀ    | $\dashv$ | 142        | $\dashv$ | $\dashv$ | -        |          |          |          | $\dashv$ | +                 |          |
| -+              | 44           |                 | $\dashv$  | $\dashv$ | -        | Н          | ⊢            | Н               | $\dashv$        | $\dashv$ | $\vdash$ | +        | 94           | -        | $\vdash$ | -        | $\dashv$ |                     | $\dashv$ | +        | +        | $\dashv$ | ŀ    |          | 143<br>144 | $\dashv$ | -        | -        |          |          | -        | -+       | $\dashv$          | $\dashv$ |
| $\dashv$        | 45           | $\dashv$        |           | $\dashv$ | $\dashv$ | Н          | <del> </del> | Н               | <del>-  -</del> | $\dashv$ | $\vdash$ | $\dashv$ | 95           |          |          | $\vdash$ | -        | $\dashv$            |          | +        | +        | $\dashv$ | F    |          |            |          | $\dashv$ | $\dashv$ |          |          |          | $\dashv$ | $\dashv$          | 괵        |
| -+              | 46           | -               | $\dashv$  | -        | =        | Н          | $\vdash$     | Н               | $\vdash$        | $\dashv$ | $\vdash$ | +        | 96           |          | -        | $\vdash$ | -        | $\dashv$            | $\dashv$ | +        | +        | $\dashv$ | -    |          | 145<br>146 | $\dashv$ | -        | 4        |          | -        | $\dashv$ |          | $\dashv$          |          |
|                 | 47           | $\dashv$        | ┥         | $\dashv$ |          | $\vdash$   | -            | Н               | -               | $\dashv$ | $\vdash$ | $\dashv$ | 97           | _        |          | $\vdash$ | $\dashv$ | -+                  | $\dashv$ | +        | +        | $\dashv$ | F    |          |            |          |          | -        | $\dashv$ |          |          | -        | -                 | $\dashv$ |
|                 | 48           |                 | +         | _        | $\dashv$ | $\dashv$   | -            | Н               |                 | $\dashv$ | $\vdash$ |          | 98           |          | $\dashv$ | $\vdash$ |          | -                   | -+       | +        | -+-      | $\dashv$ | H    | -+       | 147        | $\dashv$ | -        | -        |          |          |          | -        |                   | _        |
|                 | 49           | $\dashv$        | $\dashv$  | -        | $\dashv$ | $\dashv$   | $\vdash$     | Н               | -               | $\dashv$ | -        | +        | 99           |          | $\dashv$ |          |          | $\dashv$            | $\dashv$ | +        | +        | $\dashv$ | ŀ    |          | 148<br>149 | $\dashv$ | -+       | -        |          | _        |          | -        | -+                | _        |
| <del></del>     | 50           | $\dashv$        | $\dashv$  |          | $\dashv$ | $\dashv$   | $\vdash$     | $\vdash \vdash$ | $\dashv$        | $\dashv$ | -        | +        | 100          |          | $\vdash$ | $\vdash$ | -        | $\dashv$            | $\dashv$ | +        | +        | -        | F    |          |            | $\dashv$ | $\dashv$ | 4        |          |          | _        | $\dashv$ | $\dashv$          | 4        |
|                 | JU           |                 | L         |          |          | $\Box$     | Щ.           | L               |                 |          |          | _1.      | 100          |          |          |          |          |                     | L        | $\perp$  |          |          | L    |          | 150        |          |          |          |          |          |          |          | 丄                 |          |